

U-Sub Calculus Quiz

1) $\int (2x + 5)^4 dx$

2) $\int \frac{\sec^2 2x}{\tan 2x - 2} dx$

3) $\int \frac{dx}{\sqrt{1-2x}}$

4) $\int 2xe^{3x^2} dx$

5) $\int \frac{e^{\tan 2x}}{\cos^2 2x} dx$

6) $\int_e^{e^2} \frac{dx}{x(\ln x)^2}$

7) $\int \frac{x}{\sqrt{x-1}} dx$

8) $\int \frac{e^{4x}}{e^{4x}+2} dx$

9) $\int_0^{\frac{1}{2}} \frac{\arccos x}{\sqrt{1-x^2}} dx$

10) $\int \frac{dx}{x\sqrt{1-\ln 2x}}$